In the Claims

1. (currently amended)   An apparatus comprising:
a first die having channel and controller functions; and
a second die having a buffer function, wherein the first and second dies are packaged together in ~~the~~ a single package and ~~the~~ pins of the single package connect to the first die and the second die.

2. (currently amended)   The ~~drive~~ apparatus of claim 1, wherein the second die comprises a synchronous dynamic random access memory in a known good die format.

3. (currently amended)   The apparatus~~drive~~ of claim 1, wherein the single package is a thin quad flat pack package.

4. (currently amended)   The apparatus~~drive~~ of claim 1, wherein the single package is a ball grid array package.

5. (original)   A computer system, comprising:
a disc drive;
a first die having a buffer function;
a second die having a controller and channel function;
wherein the first die is connected to the second die and wherein the first die and second die are packaged in a single package.

6. (original)   The system of claim 5, wherein the buffer function comprises a synchronous dynamic random access memory in a known good die format.

7. (original)   The system of claim 5, wherein the single package is a thin quad flat pack package.

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8. (original)   The system of claim 5, wherein the single package is a ball grid array package.

9. (original)   The system of claim 5, wherein the single package is placed on a printed circuit board of the disc drive.

10. (original)   The system of claim 5, wherein the first die and the second die are connected by interconnects.

11. (original)   A method of making a disc drive for a computer system, comprising the steps of:
    attaching a first die to a first area of a package;
    attaching a second die to a second area of the package;
    connecting the first die and second die with interconnects;
    wherein the first die includes a buffer function for the disc drive; and
    wherein the second die includes a controller function and a channel function for the disc drive.

12. (original)   The method of claim 11, wherein the buffer function comprises a synchronous dynamic random access memory in a known good die format.

13. (original)   The method of claim 11, wherein the package is a thin quad flat pack package.

14. (original)   The method of claim 11, wherein the package is a ball grid array package.

15. (original)   The method of claim 11, wherein the package is placed on a printed circuit board of the disc drive.

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